FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
Accredited by NAAC

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15/

1. TESTING OF FINE & COARSE AGGREGATES: **Date: 24-06-2014**

Sub: Testing of Fine & Coarse Aggregates to be used for M-7.5 Grade.
{Project*: Improvements to roads and drains at Thanisandra in Ward No.06 in Thanisandra Village Limits}

Ref.: Letter No. Testing/BUB/2014-15, dated 20-06-2014

Sample supplied to lab by : Assistant Executive Engineer,
Byatarayanapura Sub-Division
BBMP, Bangalore.

Report required for: Technical Manager, KRIDL, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS : FINE AGGREGATE

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.20	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	84.30	60-95	75-100	85-100	
01.18	74.00	30-70	55-90	75-100	
600. mic	44.30	15-34	35-59	60-79	
300.mic	15.00	5-20	8-30	12-40	
150.mic	3.00	0-10	0-10	0-10	

TABLE 1.2 ; SIEVE ANALYSIS: 40MM AGGREGATE

IS Sieve Size, mm	**Percentage passing**	**Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing**	
	40 mm Sample	***Single size***	***Graded***
40mm	98.00	85-100	95 – 100
20mm	44.00	0 -20	30- 70
10mm	18.70	0 -5	10- 35
4.75mm	Nil	------	0 - 5

*As furnished by Client.

The Results relate only to the items tested.

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

24/6/2014

Dr. MANJESH .L
ME (Civil Engg .). Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail manjeshl@yahoo.com

FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
★ ★ ★ ★ ★
Accredited by NAAC

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15

Date: 24-06-2014

1. TEST REPORT ON REINFORCEMENT STEEL :

Sub: Testing of Reinforcement Steel of diameter 12mm.
{Project*: Improvements to roads and drains at Thanisandra in Ward No. 6, in Thanisandra Village limits.}

Ref.: Letter No. Testing/BUB/2014-15, dated 20-06-2014

Sample supplied to lab by : Assistant Executive Engineer
Byatarayanapura Sub-Division
BBMP, Bangalore.

Report required for : Technical Manager, KRIDL, Bangalore,

TABLE -- 1

SL No	Details	For 12mm	
		Test Results	Req as per IS 1786-2008
01	Observed diameter of bar	**12.0mm**	12.0mm
02	Observed Wt/m Length **Kg/m**	**0.891**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**458.0**	415.0
04	Bend/ Re bend Test	**Ok**	---
05	Percentage of Elongation, %	**19.50**	14.50
06	Ultimate Tensile Strength **N/mm^2**	**622.0**	485.0

*As furnished by Client.
The Results relate only to the items tested.

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

24/6/14
Dr. MANJESH .L
ME (Civil Engg) Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail: manjeshl@yahoo.com

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ.

FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
★ ★ ★ ★ ★
Accredited by NAAC

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2014-15 **DATE: 24-07-2014**

1. TEST REPORT ON CEMENT CONCRETE CUBES :

Sub: Testing of Concrete Cubes (28days Compressive Strength)
{Project*: Improvements to roads and drains at Thanisandra in Ward No. 6, in Thanisandra Village limits.}

Ref.: Letter No. Testing/BUB/2014-15, dated 23-07-2014

Sample supplied to lab by : Assistant Executive Engineer
Byatarayanapura Sub-Division
BBMP, Bangalore.

Report required for : Technical Manager, KRIDL, Bangalore,

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1 :

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in Mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	25-06-14	23-07-14	28days	22500	500	22.22	**22.36**
	002	"	"	"	"	510	22.66	
	003	"	"	"	"	500	22.22	

*As Furnished by Client.

The Results relate only to the items tested.

G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

Dr. MANJESH .L
ME (Civil Engg) Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail: manjeshl@yahoo.com

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore